

Listing of Claims

1.-23. (Cancelled).

24. (Previously Presented) A terminal unit comprising:

a memory in communication with a processor; and

the processor configured to:

communicate with a wireless network portion of a transmission system;

transmit, via the wireless network, a first transmission request in order to receive an application descriptive file from an information provider server in the transmission system based on a storage location of the application descriptive file in the transmission system;

store the application descriptive file in the memory after receipt of the application descriptive file,

wherein the application descriptive file includes a storage location for application software in the transmission system and a storage location of a security descriptive file in the transmission system;

transmit a second transmission request, via the wireless network, comprising the storage location of the security descriptive file stored in the application descriptive file in order to receive the security descriptive file associated with the application software;

in response to receipt of the security descriptive file, store the security descriptive file associated with the application software, wherein the security descriptive file includes authorization information associated with the application software, and wherein the authorization information includes an authorization to execute the application software on the processor of the terminal unit;

transmit a third transmission request to receive the application software based upon the storage location for application software stored in the application descriptive file;

restrict operation of the application software on the processor of the terminal unit in accordance with the authorization information contained in the security descriptive file.

25. (Previously Presented) The terminal unit of claim 24, wherein at least a portion of the security descriptive file received by the terminal unit is encrypted; and

wherein the processor is further configured to decrypt the security descriptive file.

26. (Previously Presented) The terminal unit of claim 24, wherein the storage location of the security descriptive file is stored on an administration server corresponding to a storage location within a network;

wherein a communication path between the administration server and the terminal unit is fully contained within the network administered by a communication provider of the wireless network.

27. (Previously Presented) The terminal unit of claim 24,

wherein the application descriptive file includes a public key of a communication provider that provides communication service to the terminal unit;

wherein the security descriptive file is signed by a secret key of the communication provider; and

wherein the processor is further configured to:

determine authenticity of the security descriptive file received in response to the second transmission request based upon the public key of the communication provider included in the application descriptive file; and

transmit a fourth transmission request, via the wireless network, to receive the application software based upon the storage location of the application software in response to determination of the authenticity of the security descriptive file.

28. (Previously Presented) The terminal unit of claim 24, wherein the application descriptive file includes a first application identifier and the security descriptive file includes a second application identifier; and

wherein the processor further configured to:

compare the first application identifier of the application descriptive file to the second application identifier of the security descriptive file; and

transmit the third transmission request to receive the application software only when the first identifier matches the second identifier.

29. (Previously Presented) The terminal unit of claim 24, wherein the processor is further configured to:

determine whether the storage location of the security descriptive file included in the application descriptive file is in an administration server permitted to provide the security descriptive file; and

transmit the second transmission request to receive the security descriptive file based upon the determination that the storage location of the security descriptive file included in the application descriptive file is in the administration server permitted to provide the security descriptive file.

30. (Previously Presented) The terminal of claim 29, wherein a communication path between the administration server authorized to provide the security descriptive file and the terminal unit is physically secured within a network of a communication provider of the wireless network.

31. (Previously Presented) The terminal unit of claim 24, wherein the security descriptive file includes time limit information that indicates an expiration date of the application software associated with the security descriptive file; and

wherein the processor further configured to:

determine whether authorization to execute the application software on the terminal unit has expired based upon the time limit information of the security descriptive file;

request transmission of an updated security descriptive file from the transmission system based upon determination that the authorization to execute the application software on the terminal has expired;

receive the updated security descriptive file from the transmission system; and

renew the expiration date of the application software based upon an updated expiration date included in the updated security descriptive file.

32. (Previously Presented) The terminal unit of claim 31,
wherein the terminal unit renews the expiration date of the application software only when the updated security descriptive file is received from the storage location of the security descriptive file included in the application descriptive file.

33. (Previously Presented) A transmission system comprising:
an application software program executable on a mobile terminal, wherein the application software program is stored at a first storage location accessible with the transmission system;
a security descriptive file stored at a second storage location accessible with the transmission system, wherein the security descriptive file includes authorization information for the mobile terminal to execute the application software program;
an application descriptive file stored at a third storage location accessible with the transmission system, wherein the application descriptive file includes a first address for the first storage location accessible with the transmission system and a second address for the second storage location accessible with the transmission system; and
an administration server configured to administer access to the security descriptive file, wherein the administration server unit is configured to transmit the security descriptive file to the mobile terminal in response to a request for the security descriptive file as a

function of the second address for the second storage location accessible with the transmission system.

34. (Previously Presented) The transmission system of claim 33, further comprising:
an information provider server accessible with the transmission system, wherein the information provider server is configured to administer access to the application descriptive file;

wherein the information provider server is further configured to transmit the application descriptive file to the mobile terminal in response to a request for the application descriptive file from the mobile terminal; and

wherein the request for the application descriptive file is a function of the third storage location accessible with the transmission system.

35. (Previously Presented) The transmission system of claim 34, wherein the information provider server is further configured to administer access to the application software program executable on the mobile terminal;

wherein the information provider server is further configured to transmit the application software program to the mobile terminal in response to a request for the application software program from the mobile terminal; and

wherein the request for the application software program is a function of the first address for the first storage location accessible with the transmission system contained in the application descriptive file.

36. (Previously Presented) The transmission system of claim 34, wherein a second information provider server is configured to administer access to the application software program executable on the mobile terminal;

wherein the information provider server is further configured to transmit the application software program to the mobile terminal in response to a request for the application software program from the mobile terminal; and

wherein the request for the application software program is a function of the first address for the first storage location accessible with the transmission system contained in the application descriptive file;

the administration server configured to receive a request from the terminal unit for the validity information of the security descriptive file; and

in response to the request for the validity information of the security descriptive file, the administration server further configured to send the validity information of the security descriptive file to the terminal unit, wherein the sent validity information provides an indication of the extendibility of the expiration date.

37. (Withdrawn) An administration server unit in a transmission system comprising:

the memory including a security descriptive file, wherein the security descriptive file includes authorization information for an application software to execute on a terminal unit, an expiration date associated with the authorization information, and validity information associated with the security descriptive file, wherein the authorization information includes an authorization to execute the application software on the terminal unit until the expiration date associated with the authorization information; and

a processor in communication with the memory, the processor configured to:

communicate with a terminal unit through the transmission system;

receive a request from the terminal unit for the validity information the security descriptive file via the communication unit; and

in response to the request the validity information of the security descriptive file, send the validity information of the security descriptive file to the terminal unit, wherein the sent validity information provides an indication of the extendibility of the expiration date.

38. (Withdrawn) The administration server unit of claim 37, wherein the processor is further configured to:

determine whether the expiration date of the security descriptive file is extendible based upon the indication of the extendibility of the expiration date; and

send an updated security descriptive file to the terminal unit based upon determination that the expiration date of the security descriptive file is extendible.

39. (Withdrawn) The administration server unit of claim 38, wherein the updated security descriptive file further includes a first application program identifier the application descriptive file includes a second application identifier;

wherein the terminal unit is configured to determine whether the first application program identifier matches and the second application program identifier; and

wherein the updated security description file is invalid for use by the terminal unit based upon determination that the first program identifier fails to match the second program identifier.

40. (Withdrawn) A terminal unit comprising:

a memory; and

a processor in communication with the memory, wherein the processor is configured to execute computer executable instructions stored in the memory;

computer instructions stored in the memory, the computer instructions executable to receive a security descriptive file from an administration server unit, wherein the security descriptive file includes authorization information associated with an application software, and wherein the authorization information includes an authorization to execute the application software on the terminal unit;

computer instructions stored in the memory, the computer instructions executable to store the security descriptive file in the memory, wherein the security descriptive file includes expiration date information;

computer instructions stored in the memory, the computer instructions executable to transmit to the administration server unit by the communication unit a request for an update

of the authorization information for the security descriptive file stored in the memory based upon the expiration date information included in the security descriptive file; and

computer instructions stored in the memory, the computer instructions executable to permit execution of the application software that corresponds to the security descriptive file based upon the updated authorization information received from the administration server.

41. (Withdrawn) The terminal unit of claim 40 further comprising:

computer instructions stored in the memory, the computer instructions executable to disable activation of the application software that corresponds to the security descriptive file in response to receipt of the updated authorization indication that provides an indication that the authorization to execute application software on the terminal unit is void.

42. (Withdrawn) The terminal unit of claim 40 further comprising:

computer instructions stored in the memory, the computer instructions executable to determine whether the application software is a trusted application;

computer instructions stored in the memory, the computer instructions executable to identify the application software as a non-trusted application based upon the expiration date information.

43. (Withdrawn) The terminal unit of claim 40 further comprising:

computer instructions stored in the memory, the computer instructions executable to determine whether the security descriptive file is renewable based upon the updated authorization information received from the administration server;

computer instructions stored in the memory, the computer instructions executable to request an updated security descriptive file from the administration server based upon an indication that the security descriptive file is renewable in the updated authorization information.

44. (Previously Presented) A method of distributing trusted software applications for use on terminal units deployed in a transmission system comprising:

a terminal unit sending a request for receipt of an application descriptive file associated with an application software based upon a storage location in communication with the terminal unit via the transmission system;

in response to receipt of the application descriptive file, the terminal unit extracting a storage location of the application software file from the application descriptive file, wherein the terminal is in communication with the storage location of the application software file via the transmission system.

in further response to receipt of the application descriptive file, the terminal unit extracting a storage location of a security descriptive file from the application descriptive file, wherein the security descriptive file is associated with the application software file, and wherein the terminal is in communication with the storage location of the application software file via the transmission system.

the terminal unit transmitting a request for transmission of the security descriptive file to an administration server as a function of the storage location of the security descriptive file extracted from the application descriptive file;

in response to reception of the security descriptive file, the terminal transmitting a request to receive the application software file based upon the storage location of the application software file included in the application descriptive file.

45. (Previously Presented) The method of claim 44, wherein the storage location of the application software file is located on a server other than a server that corresponds to the storage location of the application descriptive file.

46. (Previously Presented) The method of claim 44, wherein the security descriptive file includes authorization information for execution of the application software on a terminal unit, the terminal transmitting the request to receive the application software file based upon

the storage location of the application software file included in the application descriptive file comprising:

the terminal determining whether the authorization information for execution of the application software is valid; and

the terminal transmitting the request to receive the application software based upon determination that the authorization information for execution of the application software is valid.

47. (Previously Presented) The method of claim 44, wherein the application descriptive file includes contents dependent upon the application software file, a storage location of the application software file, and a storage location of the security descriptive file.

48. (Previously Presented) The method of claim 44, the terminal transmitting the request to receive the application software file based upon the storage location of the application software file included in the application descriptive file comprising:

the terminal extracting a first application program identifier associated from the application descriptive file;

the terminal extracting a second application program identifier from the security descriptive file;

the terminal determining whether the first application program identifier extracted from the application descriptive file and second application program identifier match extracted from the second application program identifier;

the terminal transmitting a request to receive the application program based upon determination that the first application identifier and second application program identifier match.